

ABSTRACT

An object is to provide a rotation transmission device in which a current is applied to an electromagnetic coil to selectively engage a roller clutch, and in which the current applied to the electromagnetic clutch is controlled based on the revolving speed of a rotary shaft to reduce power consumption and the size of the electromagnetic coil.

The rotation transmission device C_1 includes a roller clutch unit 10 for selectively engaging an inner member 11 mounted on the rotary shaft with an outer ring 14 through rollers 13, and an electromagnetic clutch unit 20 for electromagnetically controlling the selective engagement by the rollers 13. The current until the clutch engages is set so as to correspond to a state in which a maximum current according to the revolving speed is required and is varied according to the revolving speed of the rotary shaft to reduce power consumption and the size of the electromagnetic coil 21.